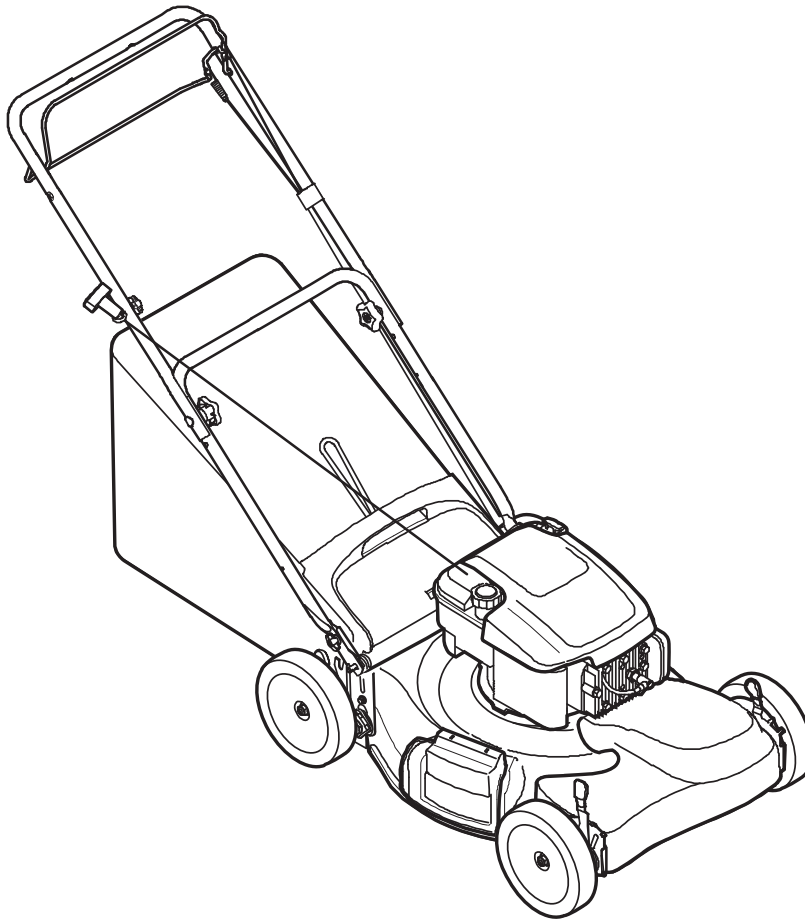


Parts Manual for

SNAPPER®

21" STEEL DECK SINGLE SPEED FRONT WHEEL DRIVE WALK BEHIND MOWER

<i>Model No.</i>	<i>Description</i>
7800929-00	SP70



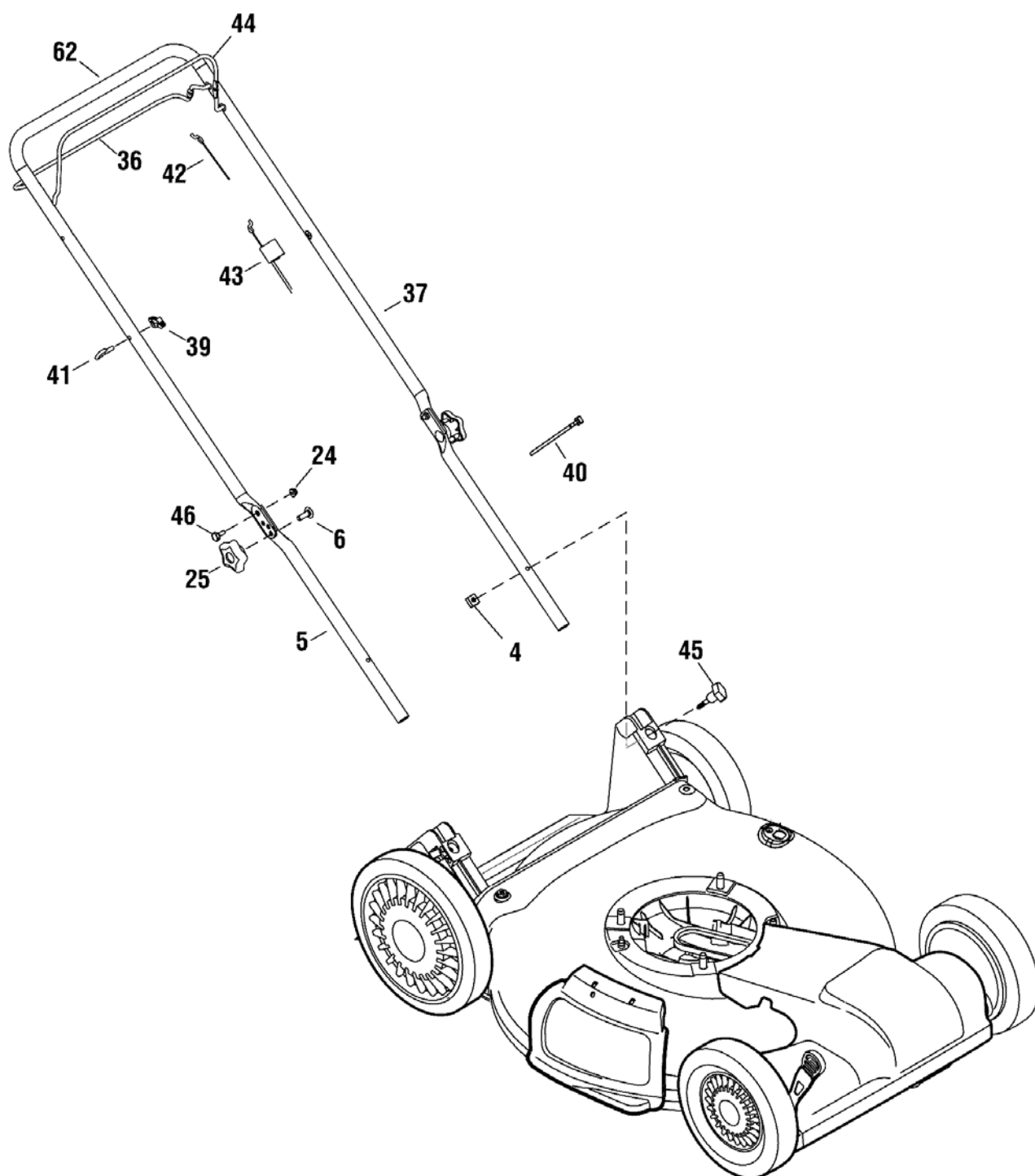
Briggs & Stratton Yard Power Products Group
535 Macon Road
McDonough, GA, 30253 U.S.A.
800-935-2967

Manual No.	7106035
Revision: -	1/17/2013

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PAGE	GROUP
4	Handle Group
6	Deck Group
8	Drive Group
10	Decals Group

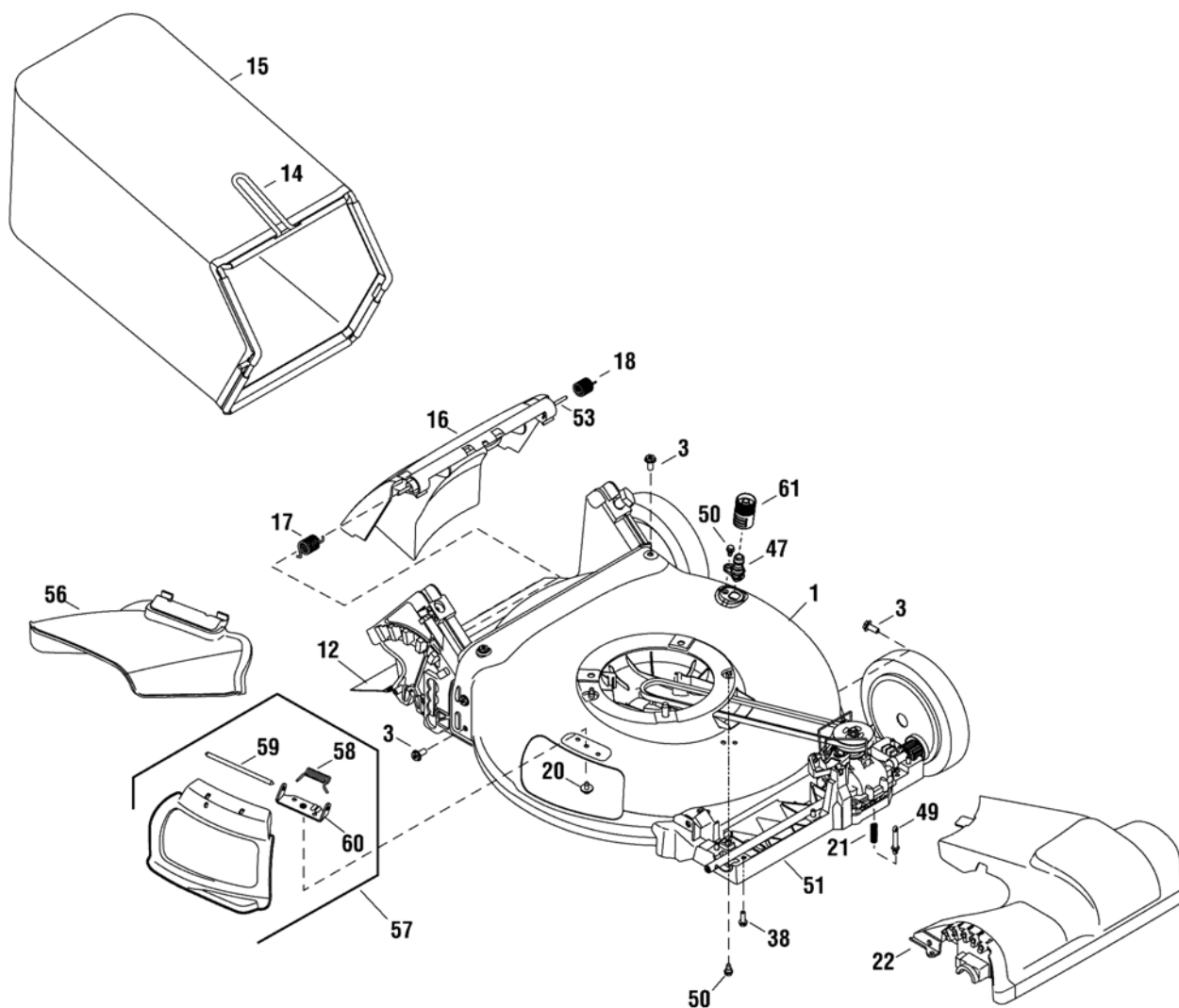
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Item	Part No	Qty	Description
4	703486		NUT, Square, 1/4-20
5	703530		HANDLE, Lower
6	703483		BOLT, Carriage, 5/16-18 x 1, GR5
24	703463		NUT, Flange Lock, 1/4-20
25	1101453MA		KNOB, Wing, 5/16-18
36	703526		BAIL, Drive
37	703531		HANDLE, Upper
39	110122MA		KNOB, 1/4-20
40	1701011SM		TIE, Self Lock
41	703485		GUIDE, Rope
42	703564		CABLE, Control
43	703562		CABLE, Drive
44	703528		BAIL, Blade Control
45	703489		NUT, Wing
46	703522		BOLT, Shoulder, 1/4-20
62	703492		GRIP, Foam

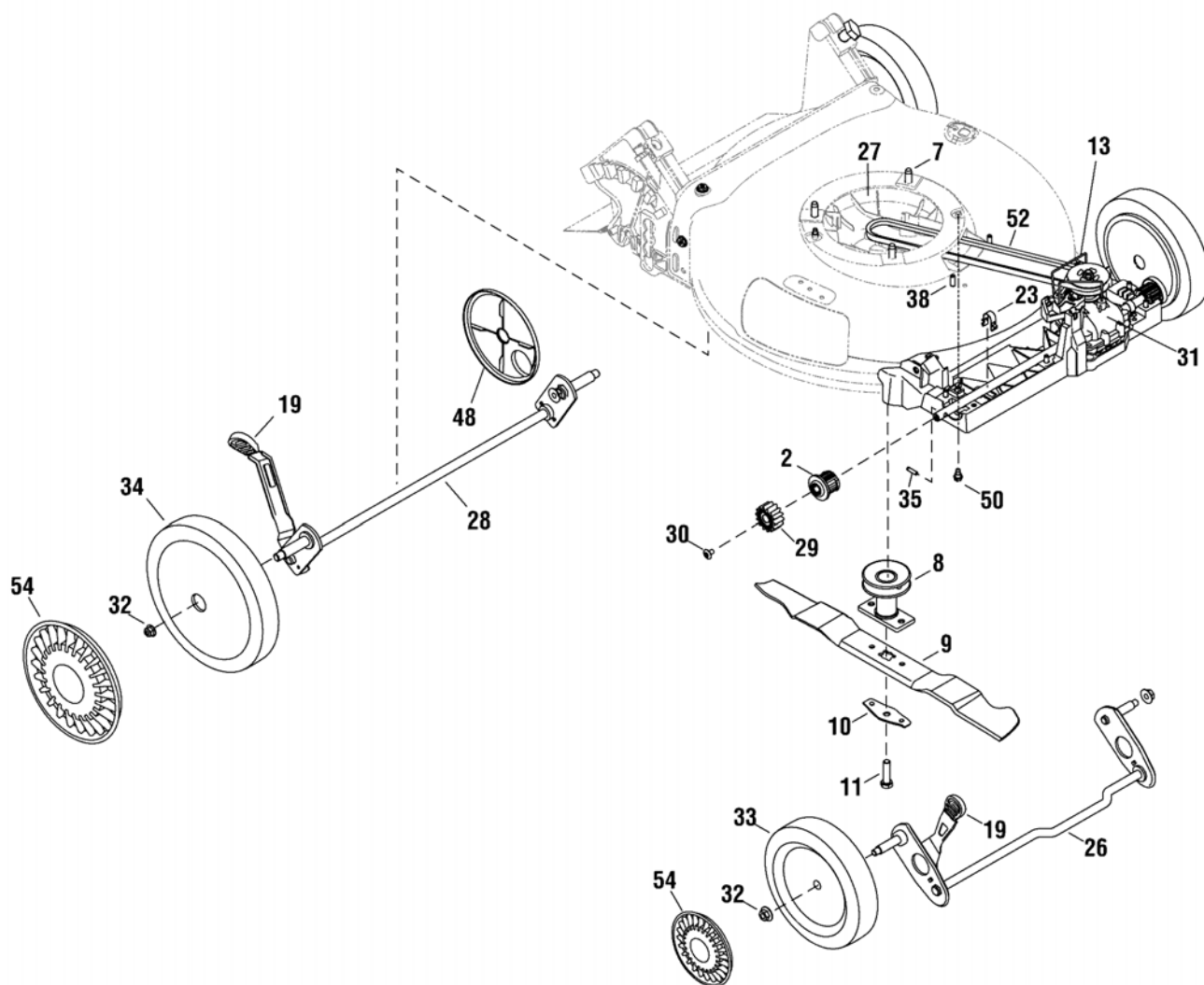
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Footnotes:



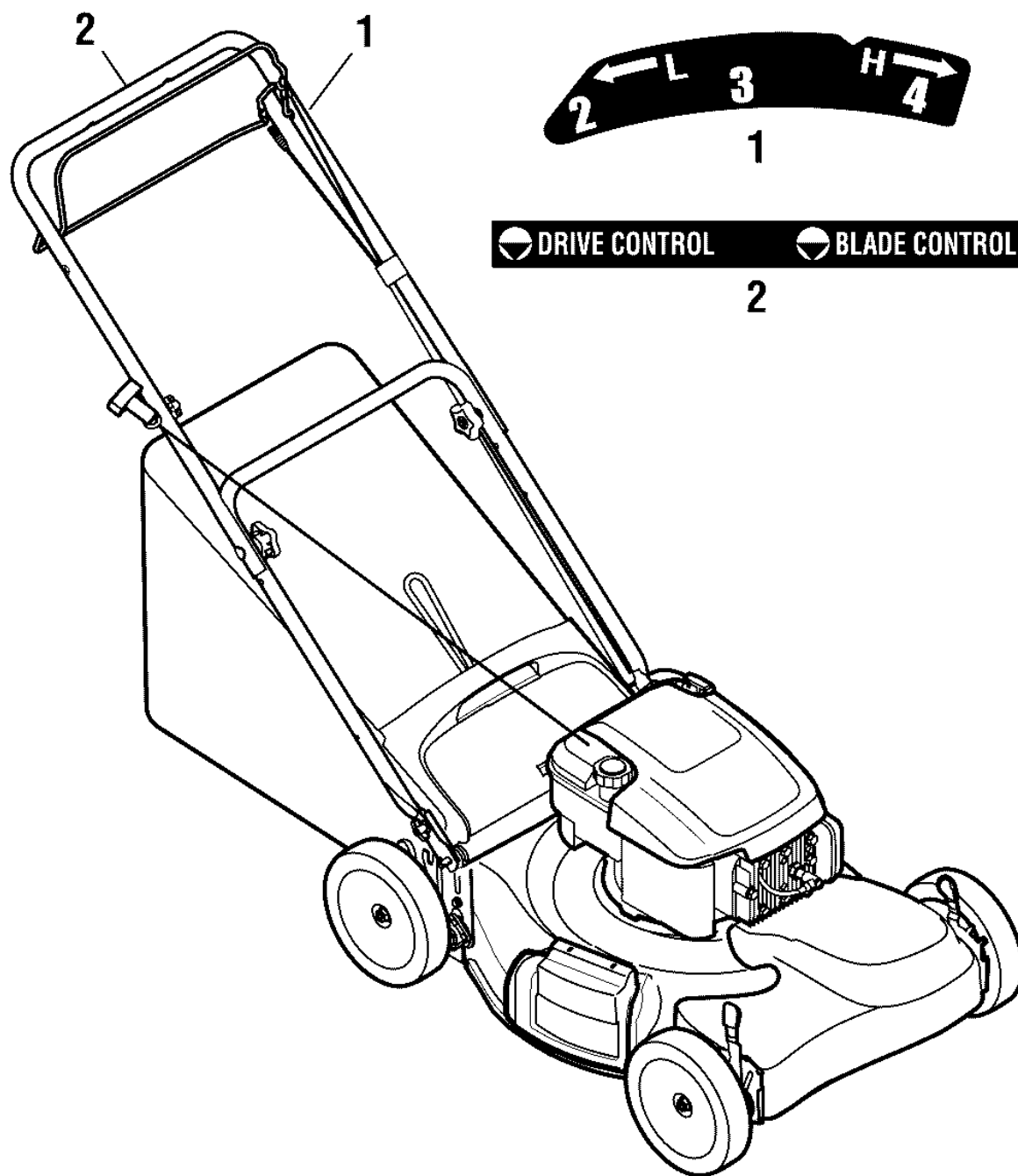
Item	Part No	Qty	Description
1	703541		DECK, 21"
3	703482		SCREW, 5/16-14 x 3/4
12	703499		TRAILING SHIELD
14	703474		FRAME, Grass Bag
15	703384		GRASS BAG
16	703468		DOOR, Rear Discharge
17	703512		SPRING, Torsion, RH
18	703513		SPRING, Torsion, LH
20	B4300GS		SCREW, 1/4-20 x 1/2
21	703515		SPRING, Compression
22	703508		COVER, Front
38	7091081SM		SCREW, 1/4-15 x 3/4
47	703502		NOZZLE, Water
49	703501		SPRING BODY
51	703504		TRAY, Lower
53	703525		ROD, Pivot
56	703376		CHUTE, Side Discharge
57	703566		MULCH PLUG (Includes Ref. Nos. 58, 59 & 60)
58	703517		SPRING, Torsion
59	703529		PIN, Hinge
60	703538		BRACKET, Chute Deflector
61	703557		ADAPTER, Water Nozzle

Footnotes:



Item	Part No	Qty	Description
2	703559		BEARING ASSEMBLY
7	703407		SCREW, 3/8-16 x 1
8	703790		ADAPTER, Blade
9	703371		BLADE, Mulching
10	703520		SUPPORT, Blade
11	01X142MA		SCREW, 3/8-24 x 1-1/2
13	703514		WIRE, Transmission
19	703490		KNOB, Adjustment Lever
23	703539		CLIP, Front Axle
26	703547		AXLE ASSEMBLY, Front
27	703558		BAFFLE, Engine
28	703545		AXLE ASSEMBLY, Rear
29	703552		GEAR, 14T, RH
29A	703553		GEAR, 14T, LH (Not Illustrated)
30	703480		SCREW, 1/4-20 x .390
31	703556		TRANSMISSION
32	5025394SM		NUT, Flange Lock, 3/8-16
33	703386		WHEEL, Front
34	703473		WHEEL, Rear
35	703487		PIN, Dowel
38	7091081SM		SCREW, 1/4-15 x 3/4
50	703521		BOLT, Shoulder, 1/4-20 x 1/2
52	703373		V-BELT, 3L, 34.13, V-SPD
48	703500		COVER, Dust
54	703511		HUBCAP, Front, 8" Silver

Footnotes:



Item	Part No	Qty	Description
1	703536		DECAL, Speed
2	703534		DECAL, Controls

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Footnotes:

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This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

Hardware Identification & Torque Specifications

Torque Specification Chart								
FOR STANDARD METRIC MACHINE HARDWARE (Tolerance $\pm 20\%$)								
Property Class	5.6 Class 5.6		8.8 Class 8.8		10.9 Class 10.9		12.9 Class 12.9	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
M3	5.88	.56	13.44	1.28	19.2	1.80	22.92	2.15
M4	13.44	1.28	30.72	2.90	43.44	4.10	52.56	4.95
M5	26.4	2.50	60.96	5.75	5.97	8.10	7.15	9.7
M6	44.64	4.3	7.3	9.9	10.3	14	12.1	16.5
M7	5.2	7.1	12.1	16.5	16.9	23	19.9	27
M8	7.7	10.5	17.7	24	25	34	29	40
M10	15	21	35	48	50	67	59	81
M12	26	36	61	83	86.2	117	103	140
M14	42	58	101	132	136	185	162	220
M16	64	88	147	200	210	285	250	340
M18	89	121	202	275	287	390	346	470
M20	126	171	290	390	405	550	486	660
M22	169	230	390	530	559	745	656	890
M24	217	295	497	375	708	960	840	1140
M27	320	435	733	995	1032	1400	1239	1680
M30	435	590	995	1350	1401	1900	1681	2280
M33	590	800	1349	1830	1902	2580	2278	3090
M36	759	1030	1740	2360	2441	3310	2935	3980
M39	988	1340	2249	3050	3163	4290	3798	5150

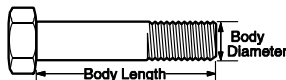
The guides and ruler furnished below are designed to help you select the appropriate hardware.



Nut, M8

Thread Diameter (mm)
Inside Diameter (in)
Threads per inch

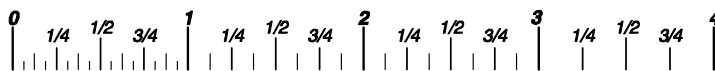
Nut, 1/2-16



Screw, M8- 1.25 x 25

Thread Diameter (mm)
Body Diameter
Distance between threads (mm)
Threads per inch
Body Length (mm)
Body Length (in)

Screw, 1/2- 16 x 2



Standard Hardware Sizing

When a washer or nut is identified as 1/2" (M8), this is the *Nominal size*, meaning the *inside diameter* is 1/2 inch (8mm metric thread diameter); if a second number is present it represents the *threads per inch* (distance between threads).

When bolt or capscrew is identified as 1/2 - 16 x 2" (M8 - 1.25 x 50), this means the *Nominal size*, or body diameter is 1/2 inch (8mm metric thread diameter), the second number, 16, represents the *threads per inch*, (1.25 thread diameter). The final number is the body length of the bolt or screw, 2 inches (50mm).

Torque Specification Chart						
FOR STANDARD MACHINE HARDWARE (Tolerance $\pm 20\%$)						
Hardware Grade	No Marks SAE Grade 2		SAE Grade 5		SAE Grade 8	
Size Of Hardware	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.	in/lbs ft/lbs	Nm.
8-32	19	2.1	30	3.4	41	4.6
8-36	20	2.3	31	3.5	43	4.9
10-24	27	3.1	43	4.9	60	6.8
10-32	31	3.5	49	5.5	68	7.7
1/4-20	66	7.6	8	10.9	12	16.3
1/4-28	76	8.6	10	13.6	14	19.0
5/16-18	11	15.0	17	23.1	25	34.0
5/16-24	12	16.3	19	25.8	29	34.0
3/8-16	20	27.2	30	40.8	45	61.2
3/8-24	23	31.3	35	47.6	50	68.0
7/16-14	30	40.8	50	68.0	70	95.2
7/16-20	35	47.6	55	74.8	80	108.8
1/2-13	50	68.0	75	102.0	110	149.6
1/2-20	55	74.8	90	122.4	120	163.2
9/16-12	65	88.4	110	149.6	150	204.0
9/16-18	75	102.0	120	163.2	170	231.2
5/8-11	90	122.4	150	204.0	220	299.2
5/8-18	100	136	180	244.8	240	326.4
3/4-10	160	217.6	260	353.6	386	525.0
3/4-16	180	244.8	300	408.0	420	571.2
7/8-9	140	190.4	400	544.0	600	816.0
7/8-14	155	210.8	440	598.4	660	897.6
1-8	220	299.2	580	788.8	900	1,244.0
1-12	240	326.4	640	870.4	1,000	1,360.0

NOTES

- These torque values are to be used for all hardware excluding: locknuts, self-tapping screws, thread forming screws, sheet metal screws and socket head setscrews.
- Recommended seating torque values for locknuts:
 - for prevailing torque locknuts - use 65% of grade 5 torques.
 - for flange whizlock nuts and screws - use 135% of grade 5 torques.
- Unless otherwise noted on assembly drawings, all torque values must meet this specification.

Common Hardware Types

Hex Head Capscrew



Washer



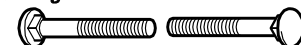
Lockwasher



Hex Nut



Carriage Bolt



Wrench & Fastener Size Guide



1/4" Bolt or Nut
Wrench—7/16"



5/16" Bolt or Nut
Wrench—1/2"



3/8" Bolt or Nut
Wrench—9/16"



7/16" Bolt or Nut
Wrench (Bolt)—5/8"
Wrench (Nut)—11/16"



1/2" Bolt or Nut
Wrench—3/4"

M6 Bolt or Nut
Wrench—10mm

M8 Bolt or Nut
Wrench—13mm

M10 Bolt or Nut
Wrench—17mm

M12 Bolt or Nut
Wrench—19mm

M14 Bolt or Nut
Wrench—22mm

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***21" STEEL DECK SINGLE SPEED
FRONT WHEEL DRIVE
WALK BEHIND MOWER***

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